

REMARKS

I. Drawing Amendments

Amendments to the Drawings are reflected in the marked up drawings attached hereto as Exhibit A (Marked Up). A clean version of the amended drawings is also attached hereto as Exhibit A (Clean).

It is obvious to one of ordinary skill that several incorrect drawings were inadvertently filed with the application and that certain drawings from the parent application are illustrative of the invention. As such, the amendments to the drawings reflect:

A) Figures 1, 3a, 5, 6, and 7 as originally filed are being cancelled.

B) Figures 2, 3b, 4, 8a-8e, 9, and 10a-10b as originally filed have been amended to renumber the figures and correct reference numbers. The renumbering is set forth in the table below:

<u>Fig. No (Originally Filed)</u>	<u>Current Fig. No</u>
Fig. 2	Fig. 4a
Fig. 3b	Fig. 4b
Fig. 4	Fig. 6
Fig. 8a, 8b, 8c, 8d, and 8e	Fig. 10a, 10b, 10c, 10d, and 10e
Fig. 9	Fig. 11
Fig. 10a and 10b	Fig 12a and 12b

C) Figures 1, 2, 3, 5, 7, 8, and 9 have been added. These new figures are drawings from the parent application 10/000,543 (without amendment). The support for adding the new drawings is the incorporation of the parent application reference into the present in the Cross Reference Paragraph on the first page of the application. No new matter has been added.

II. Substitute Specification

Amendments to the specification are reflected in the substitute specification attached hereto in both clean form and marked up form.

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The amendments reflect: i) amendments to Figure numbers and reference numbers to make the specification consistent with the amended drawings; and ii) amendments to correct typographical errors.

Further, the original application referred to element 24 as both “subscriber station 24” and “communication space station 24”. The amendments reflect elimination of the terminology “communication space station 24” and consistent use of the terminology “subscriber station 24” throughout the specification.

No new matter has been added.

III. REJECTION OF CLAIMS UNDER 35 USC § 102

Claims 1 and 10 stand rejected under 35 USC 102(b) based on being anticipated by US Patent 5,550,907 to Carlsen and Claims 1-22 stand rejected under 35 USC 102(e) based on being anticipated by published US Patent Application 2003/0023691 to Knauerhase.

In general, both Carlsen and Knauerhase relate to routing in bound telephone calls or messages based on presence information.

Carlsen teaches a system which tracks when a person was last present at each of a plurality of terminals. When an inbound telephone calls (dialed to a number associated with a person) is received, it is routed to a “Service Control Point” (Steps 302 through 305 of Figure 3). The Service Control Point polls a plurality of terminals, and each responds with the time of day at which the person was last logged onto the terminal. The SCP routes the call to there terminal at which the person was most recently “logged on”.

Knauerhase teaches a system wherein a message is sent to a recipients identity rather than to a specific device address or communication channel (PSTN, Wireless telephone, LAN, ect) associated with the person. A discovery component is responsible for collecting information about the availability of each of the person’s potential communication channels [0016]. The message is then routed to the person over a channel based on the information about the availably of each of the person’s potential communication channels.

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The applicant's invention does not relate to routing of inbound calls. The applicant's invention, as set forth in independent claims 1, 10, and 18, all as originally presented and without amendment, relates to placing outbound calls.

Claim 1

With respect to independent claim 1, the applicants claimed invention is to a multi-media communication management system (10) for operation with a plurality of subscriber stations (24), at least one of which serves a subscriber device (50), the multi-media communication management system (10) comprises a network communication circuit, a session control circuit, and a communication session gateway.

The network communication circuit provides for multi-media communication with said plurality of subscriber stations.

The session control circuit establishes a communication session with a selected subscriber station through the network communication circuit and includes i) means for accessing a subscriber contact directory associated with the subscriber device (50) served by the subscriber station (24), and ii) means for receiving data from the selected subscriber station (24) indicative of a selected contact from the subscriber directory.

The communication session gateway is coupled to the network communication circuit for establishing a communication channel to a destination that is associated with the selected contact.

Claim 10

Independent claim 10 is directed to a method of managing multi-media communications associated with a subscriber station (24) and at least one subscriber device (50) served by the subscriber station (24).

The method comprising the steps of: i) establishing a communication session

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with a selected subscriber station (24) over a network communication link; ii) accessing a subscriber contact directory that is associated with the subscriber device (50) served by the subscriber station (24); iii) receiving an indication of a selected contact from the subscriber contact directory; and iv) establishing a communication channel to a destination that is associated with the selected contact.

Claim 18

Independent claim 18, is directed to a method of managing multi-media communications associated with a subscriber station (24) and at least one subscriber device (50) served by the subscriber station (24), the method comprising the steps of: i) establishing a communication session with a selected subscriber station over a wireless communication link; ii) accessing a subscriber contact directory that is associated with the subscriber device (50) served by the selected subscriber station (24); iii) receiving an indication of a selected contact from the subscriber contact directory; iv) establishing a first communication channel over the wireless communication link with the subscriber station; and v) establishing a second channel over at least one of the wireless communication link and a service provider communication medium to a destination that is associated with the selected contact.

Neither Carlson nor Knauerhase – both of which related to routing inbound calls or messages to a station based on “presence information” - nor the other art of record teach or suggest elements of each of the independent claims (1, 10, 18) including: i) establishing a communication session with a subscriber station serving a subscriber device; accessing a contract directory associated with the subscriber device (50); receiving an indication of a selected contact from the contact directory, and establishing a communication link to a destination that is associated with the selected contact.

Claims 2-9, 11-17, and 19-22

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Claims 2-9, 11-17, and 19-22 each depend from one of independent claims 1, 10, or 18 and can be distinguished over Carlsen and Knauerhase for at least the same reasons.

Further, the additional elements and or steps recited in such claims further distinguish such claims over Carlsen, Knauerhase and the other art of record.


II. CONCLUSION

Accordingly, claims 1 - 22 are believed to be allowable and the application is believed to be in condition for allowance. A prompt action to such end is earnestly solicited.

Should the Examiner feel that a telephone interview would be helpful to facilitate favorable prosecution of the above-identified application, the Examiner is invited to contact the undersigned at the telephone number provided below.

Should a petition for an extension of time be necessary for the timely reply to the outstanding Office Action (or if such a petition has been made and an additional extension is necessary), petition is hereby made and the Commissioner is authorized to charge any fees (including additional claim fees) to Deposit Account No. 501825.

Respectfully submitted,



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DATE: 3-27-05

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Annotated to show changes *1/22*

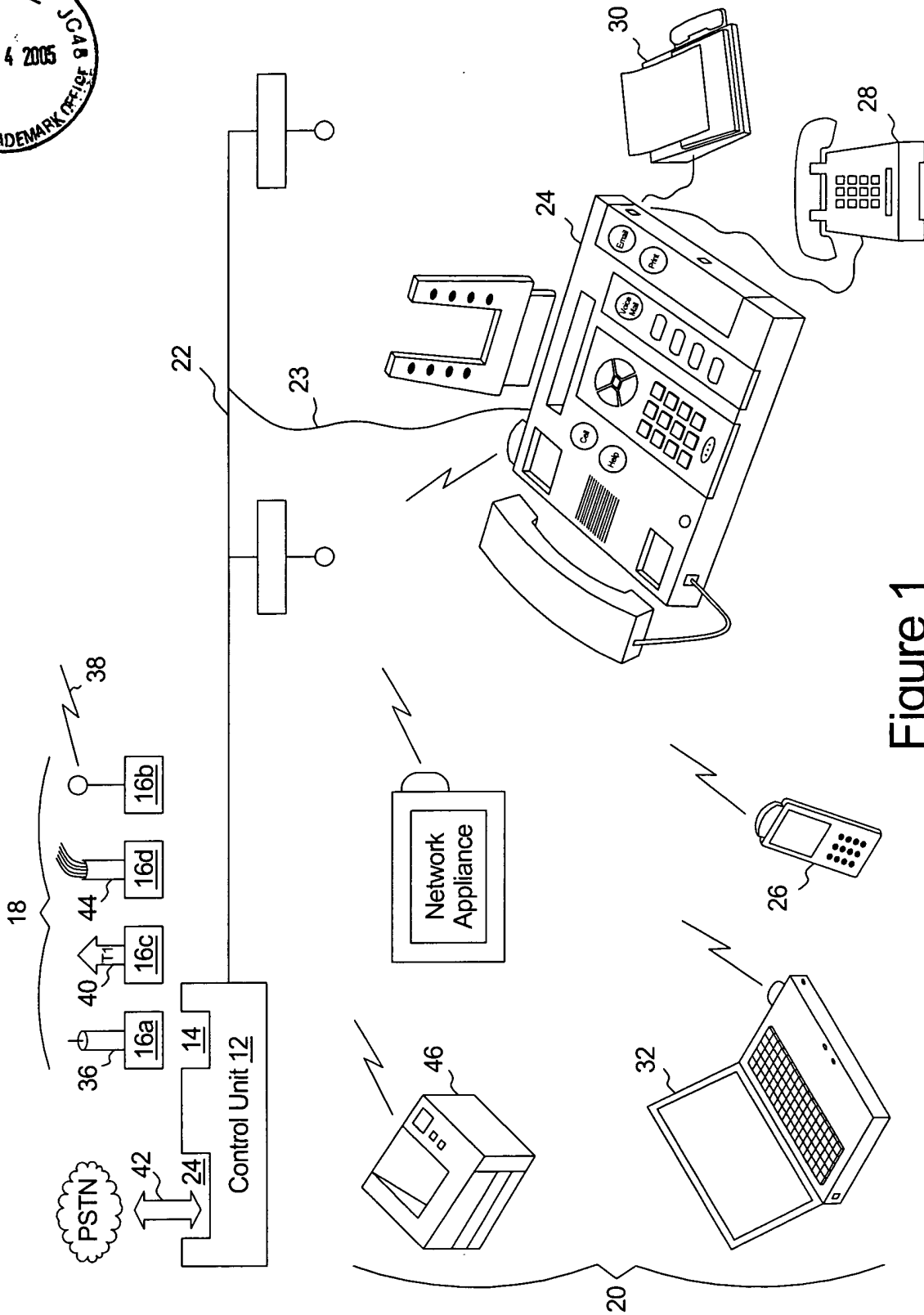


Figure 1

(New Figure From Parent Application)

Annotated to show changes ~~May~~ 2/22

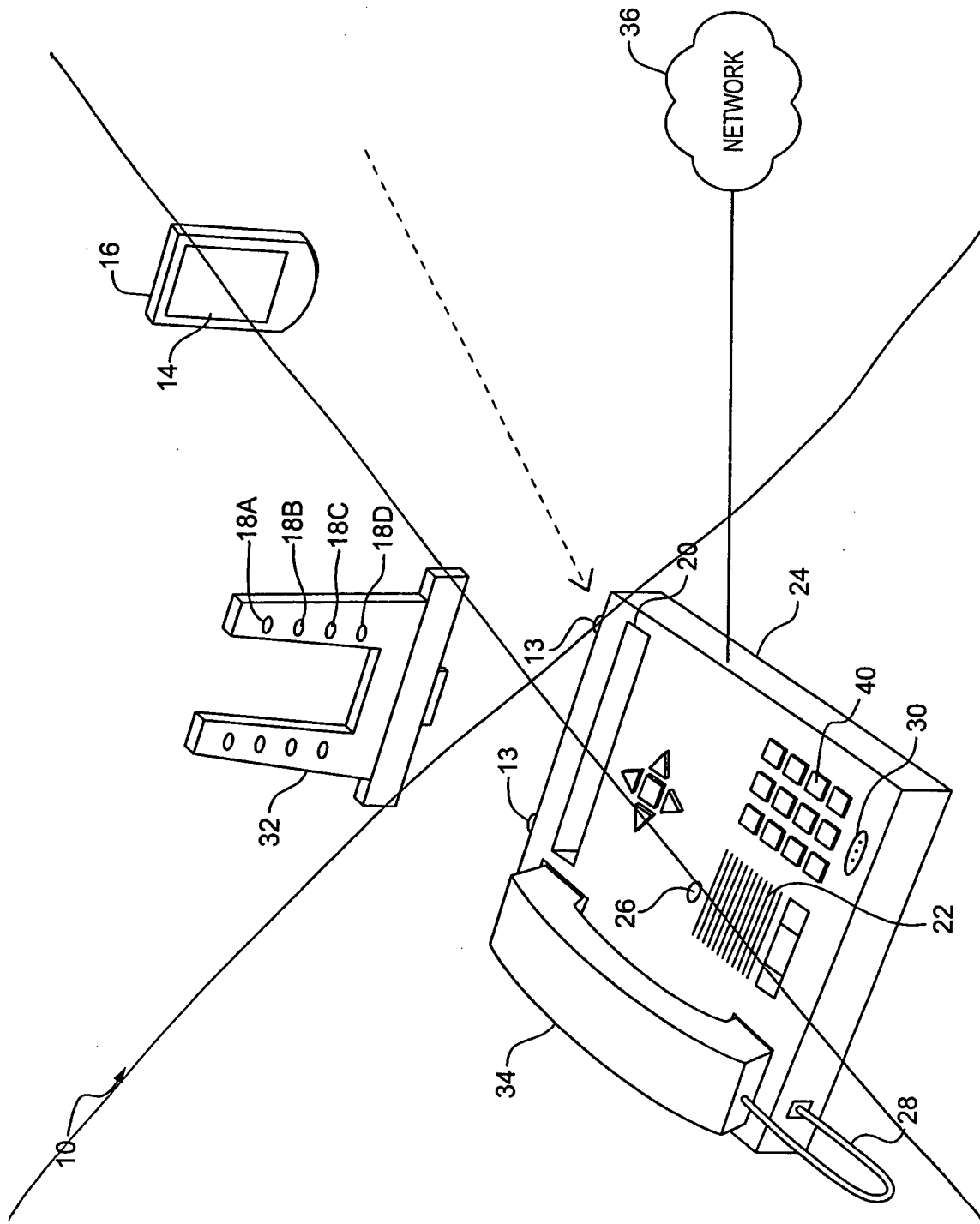


FIG. 1

Cancelled

Annotated to show changes ~~3/22~~ 3/22

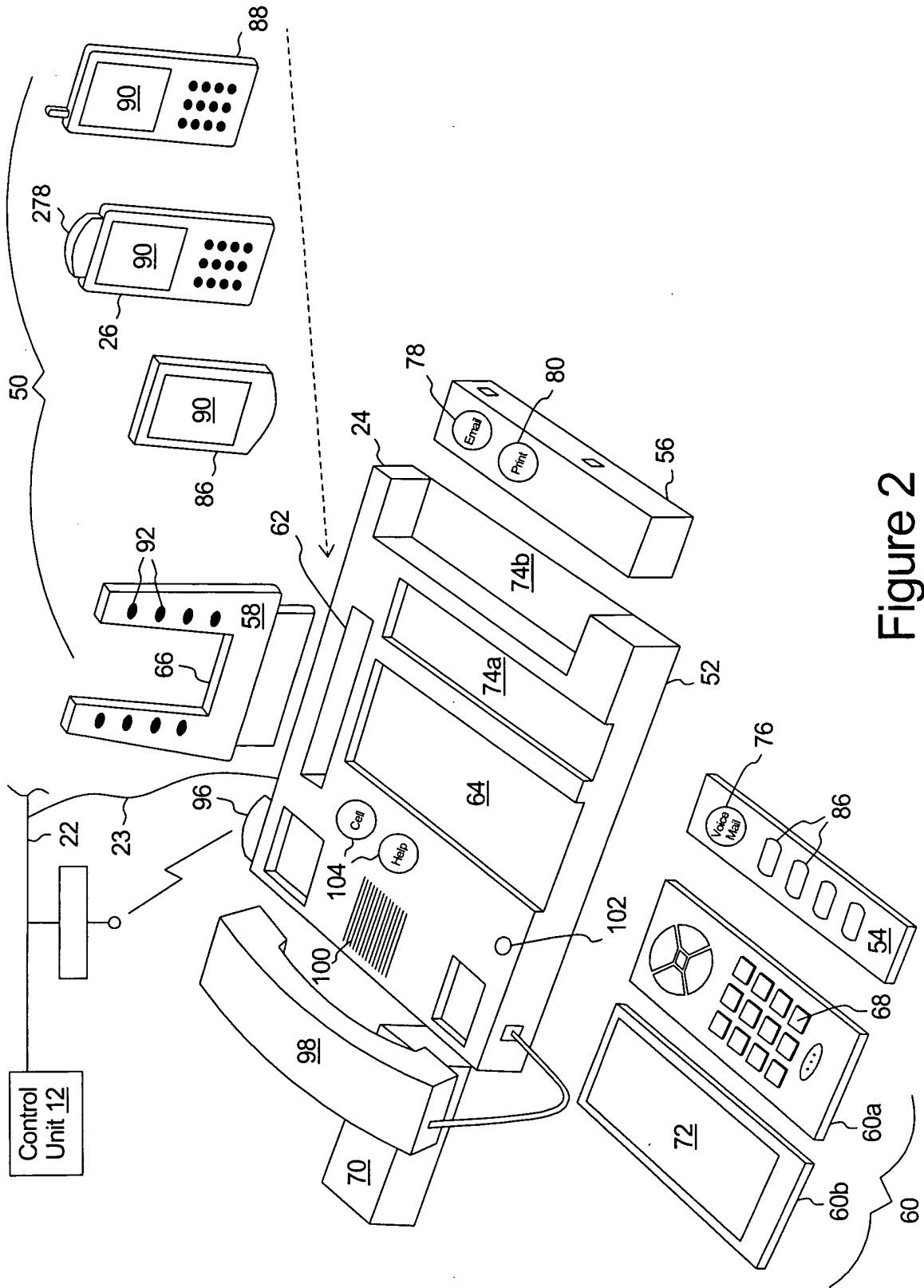
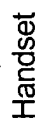


Figure 2

New Figure from Parent Application

24 



New Figure From Parent Application

Annotated to show changes 5/22

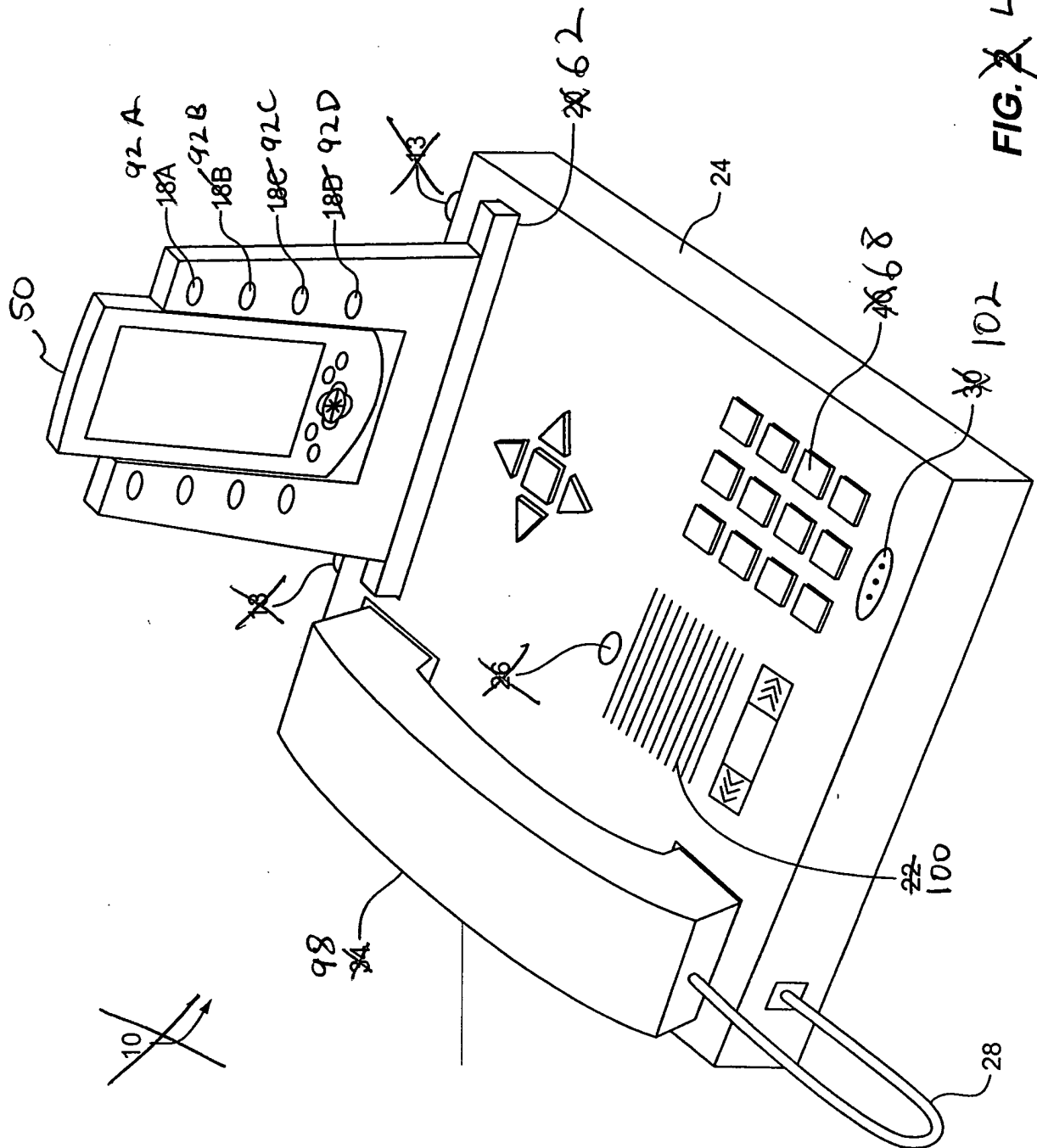
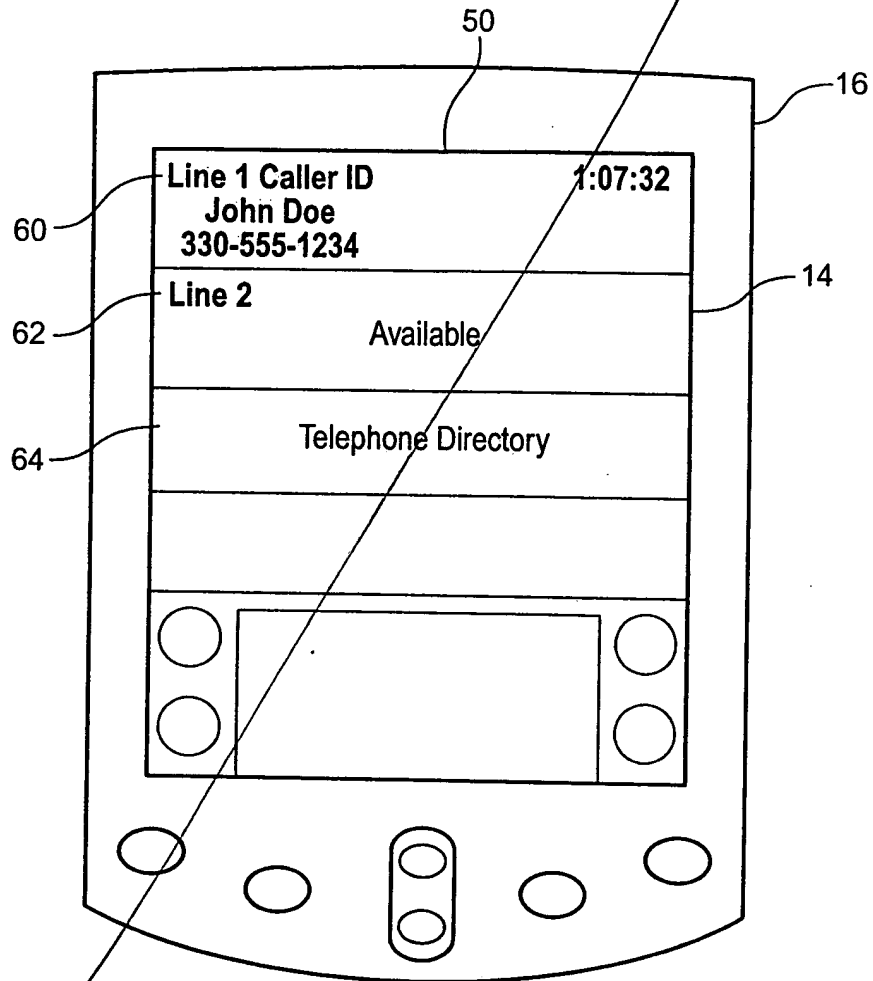


FIG. 2 4a

Annotated to show changes 6/22

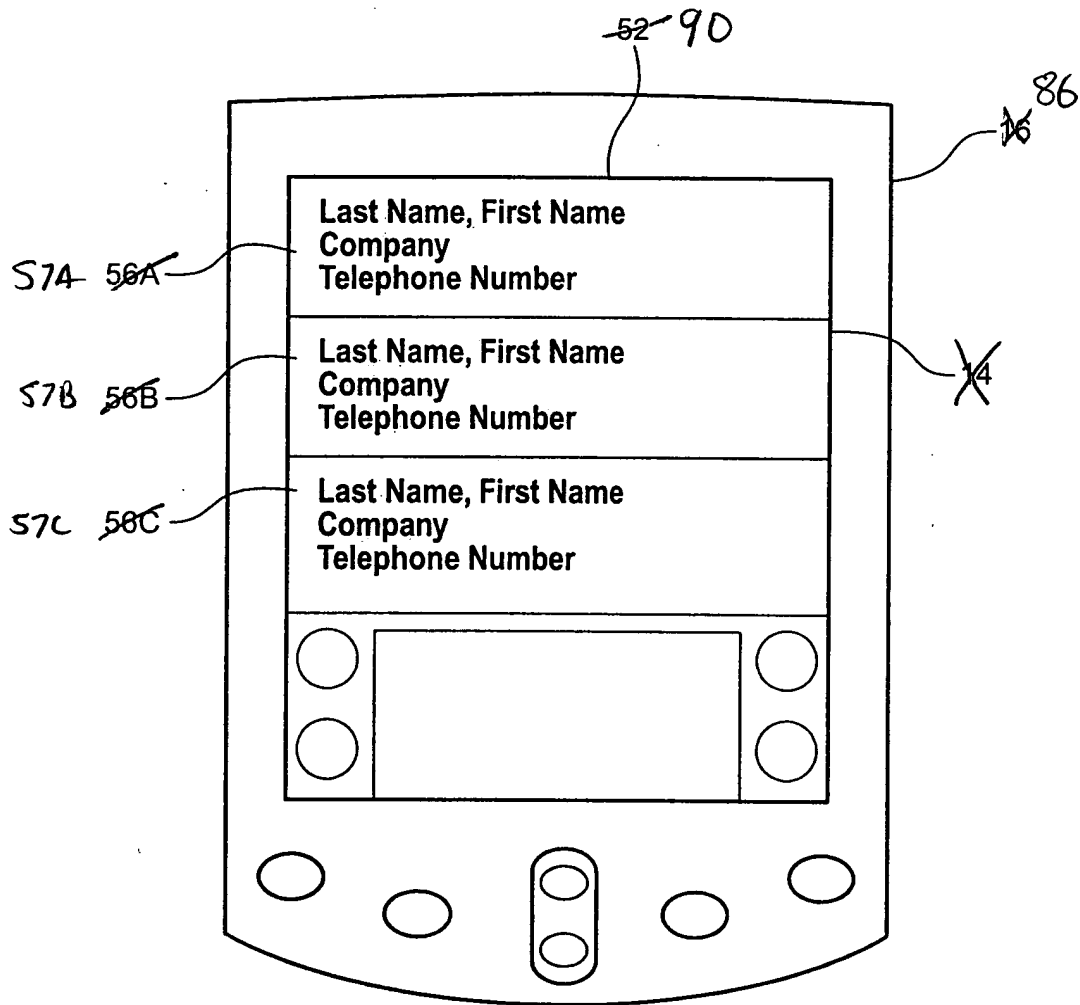
FIG. 3A



Cancelled

Annotated to show changes 7/22

FIG. 3B 4B



Annotated to show changes 8/22

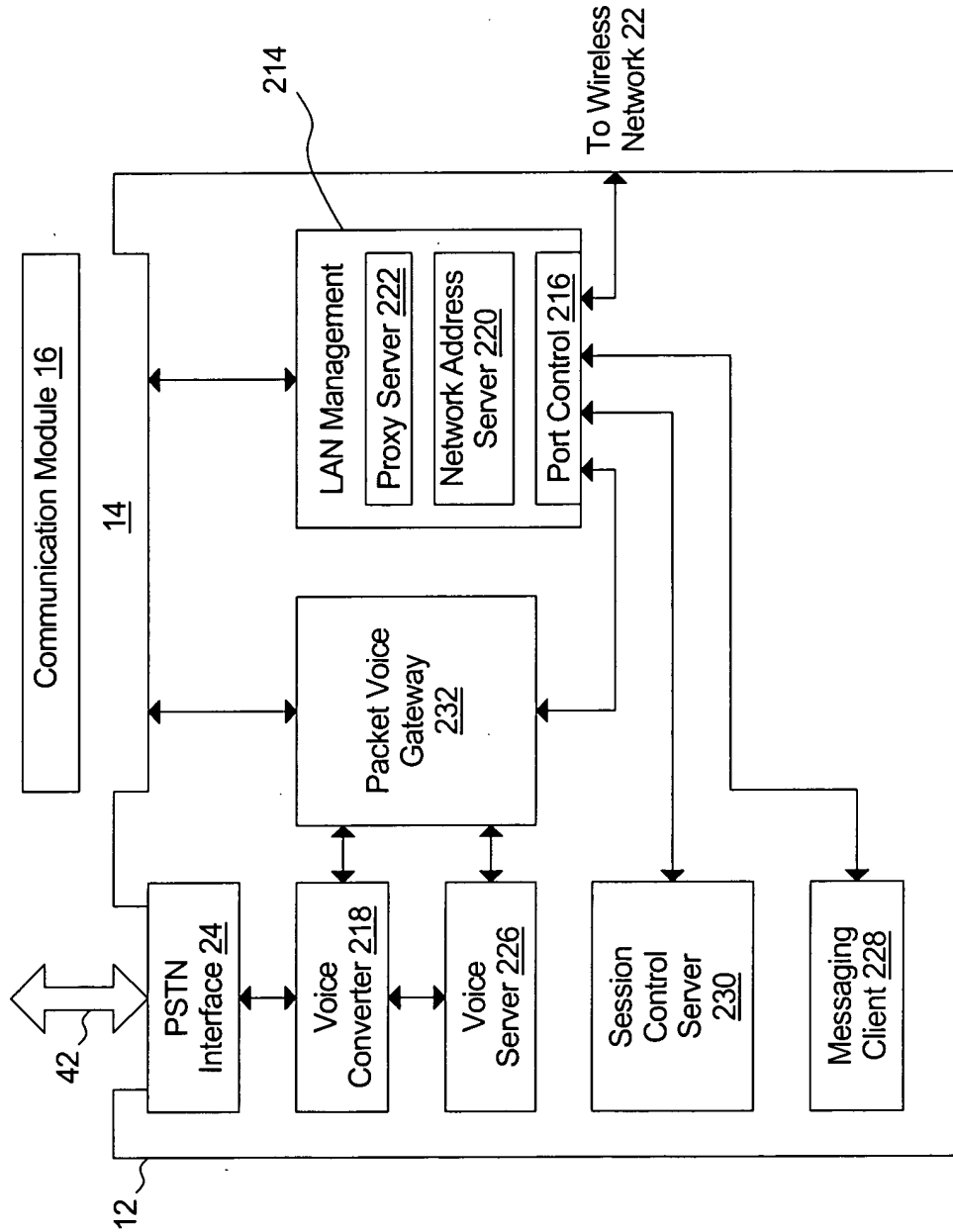


Figure 5

New Figure From Patent Application

Annotated to show changes 9/22

CURRENT STATE	OPERATOR INTERFACE EVENT	TELEPHONE NETWORK INTERFACE EVENT	PDA EVENT	PROCESSING STEPS
STANDBY	OFF HOOK EVENT		OFF HOOK EVENT	TRANSITION TO OFF HOOK DT STATE
STANDBY		RINGING EVENT		TRANSITION TO RING STATE
STANDBY	TELEPHONE DIRECTORY SELECTION EVENT		TELEPHONE DIRECTORY SELECTION EVENT	TRANSITION TO OFF HOOK DT STATE DIAL IN ACCORDANCE WITH SELECTED TELEPHONE NUMBER
RING	OFF HOOK EVENT		OFF HOOK EVENT	TRANSITION TO OFF HOOK DT STATE
RING		RECEIVE CALLER ID		REPORT CALLER ID INFORMATION TO PDA
RING		TERMINATION OF RING EVENT		TRANSITION TO STANDBY STATE
OFF HOOK CALL	ON HOOK EVENT		ON HOOK EVENT	TRANSITION TO STANDBY STATE
OFF HOOK CALL		TERMINATION OF AUDIO STREAM		TRANSITION TO STANDBY STATE
OFF HOOK CALL	KEY SWITCH ACTIVATION EVENT		KEY SWITCH ACTIVATION EVENT	GENERATE SCRATCH PAD TONE
OFF HOOK DT	ON HOOK EVENT		ON HOOK EVENT	TRANSITION TO STANDBY STATE
OFF HOOK DT	KEY SWITCH ACTIVATION EVENT		KEY SWITCH ACTIVATION EVENT	GENERATE SCRATCH PAD TONES SETUP CALL WITH DIALED TELEPHONE NUMBER

FIG. 5

Cancelled

Annotated to Show Changes 11/22

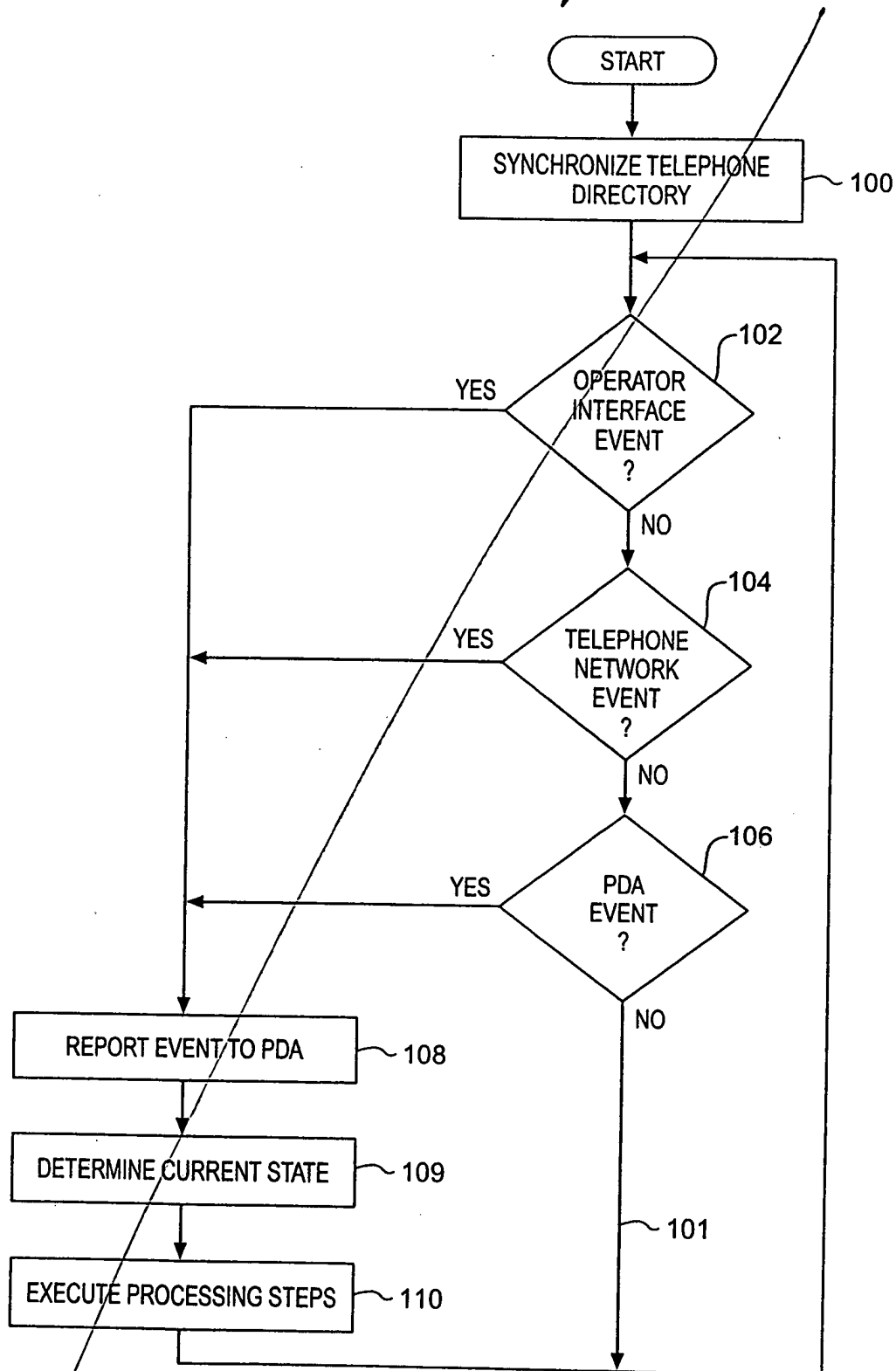


FIG. 6

Cancelled

Annotated TO show changes 12/22

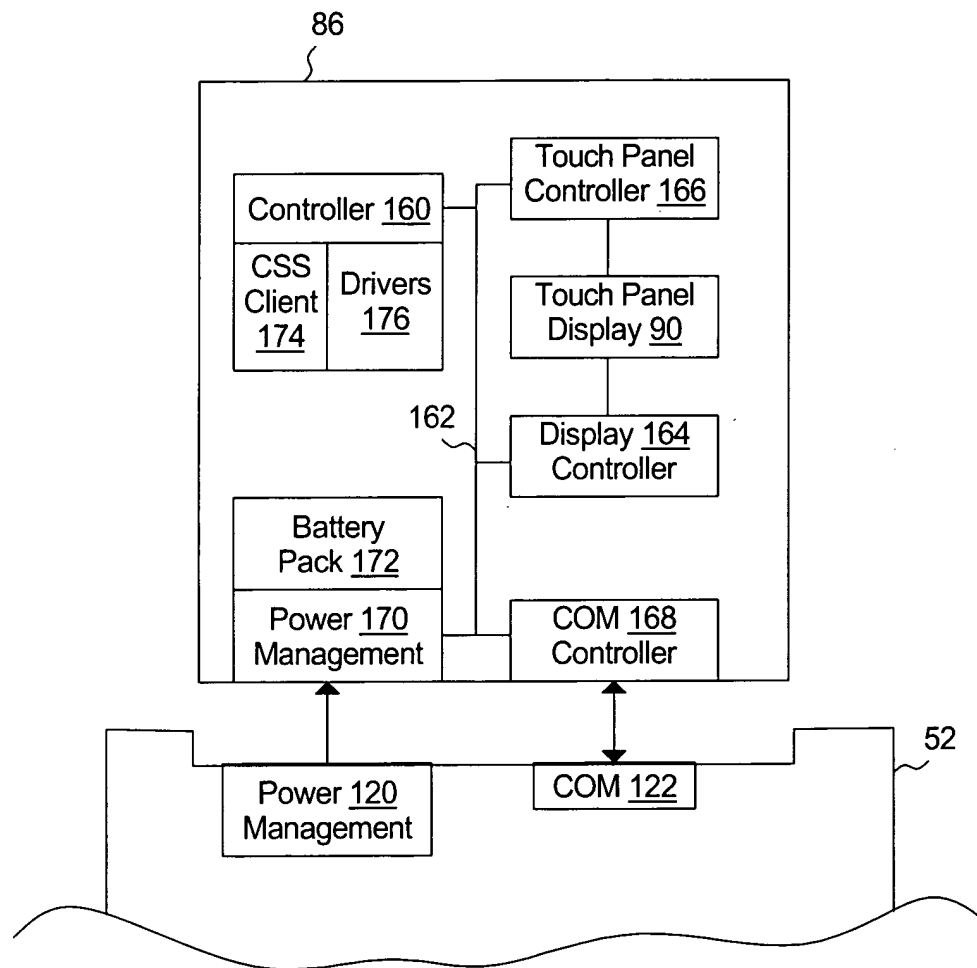


Figure 7

New Figure From Parent Application

Annotated to show changes 1/3/22

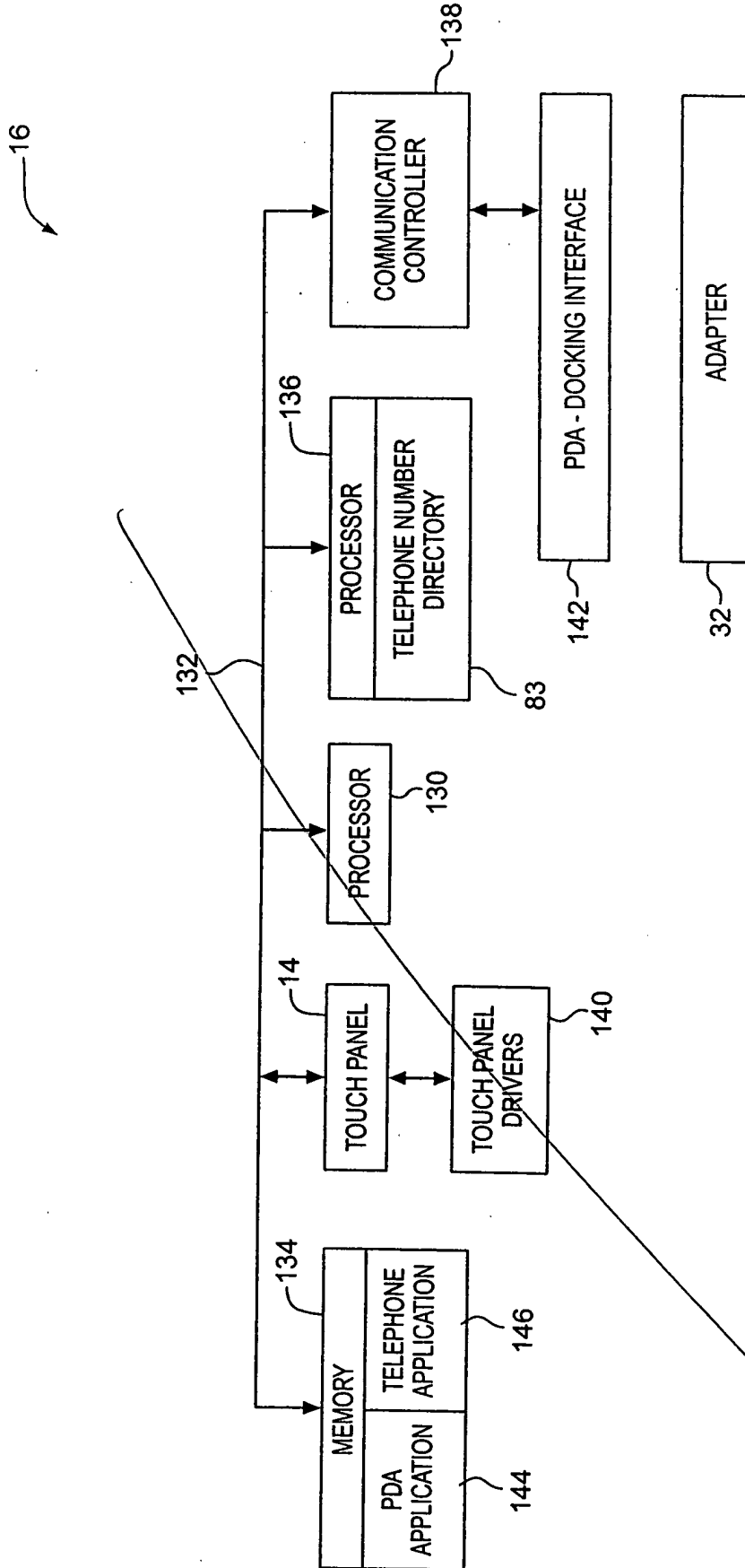


FIG. 7

Cancelled

Annotated to show changes 14/22

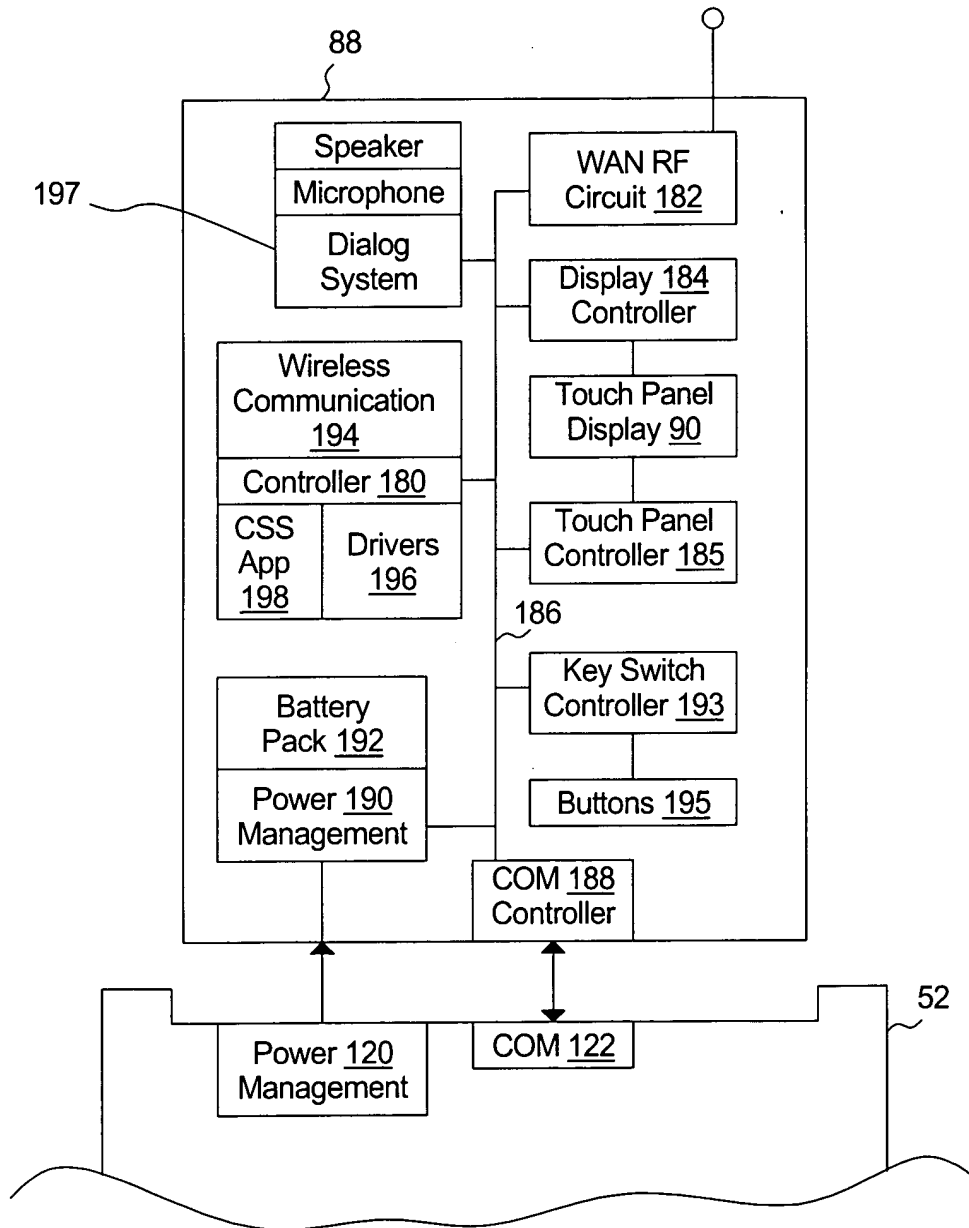


Figure 8

New Figure From Parent Application

Annotated to show changes 15/22

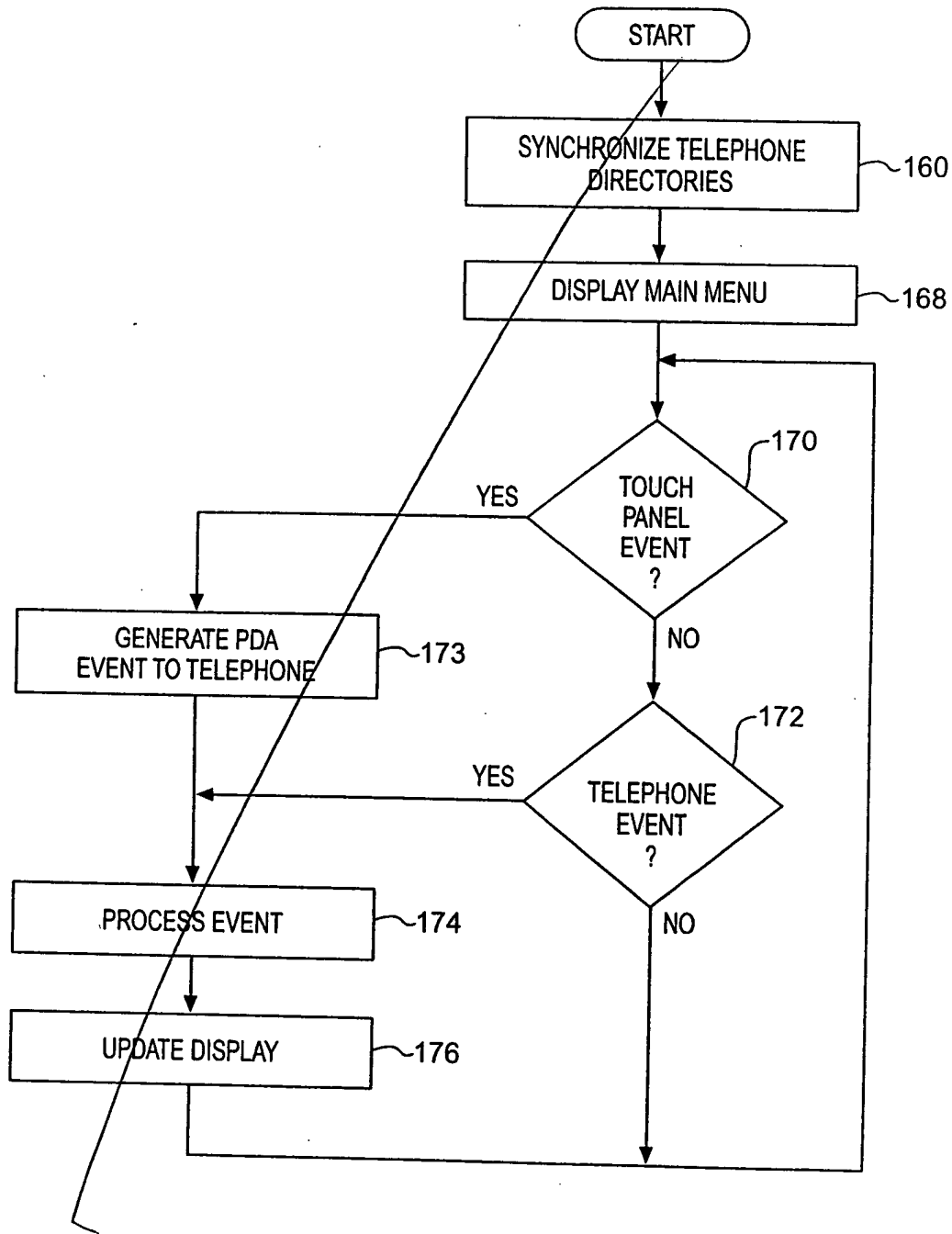


FIG. 8

Cancelled

Annotated to show changes 16/22

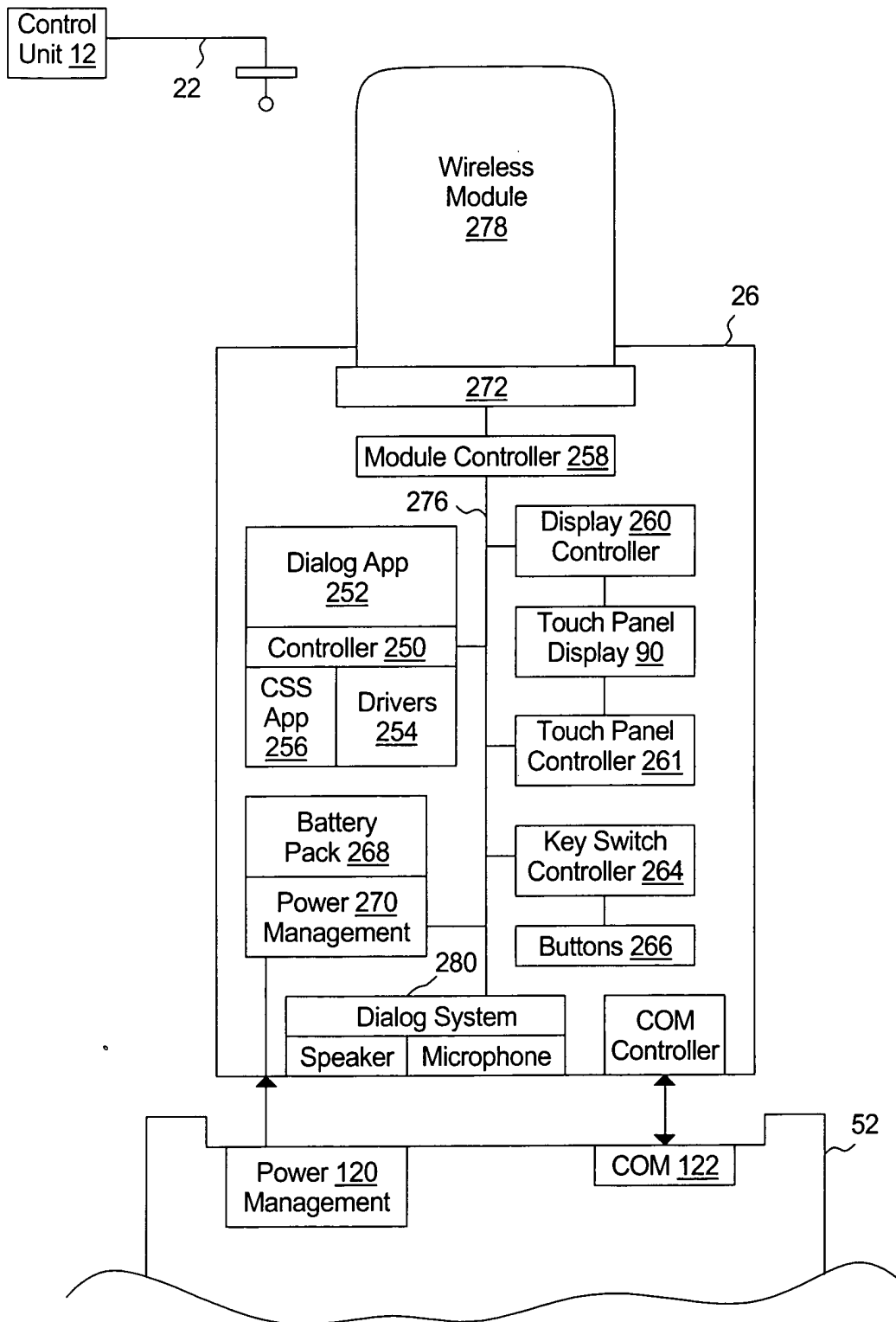


Figure 9

New Figure From Parent Application

Annotated to show changes 17/22

START UP STATE - WAITING FOR EVENTS	
EVENTS	STEPS
300 OPEN SESSION REQUEST ON PREDETERMINED PORT	<ul style="list-style-type: none">• ESTABLISH NEW LOCAL COMMUNICATION DEVICE STATE MACHINE• ESTABLISH SESSION• SEND LOGON CONTROL SCRIPTS• GET CSS INTERFACE CONFIGURATION• PROVIDE MAIN MENU DISPLAY CONTENT• PROVIDE MAIN MENU LAYOUT CONTROL• GO TO MAIN MENU STATE

FIG. 8A

10A

MAIN MENU STATE - WAITING FOR EVENTS	
EVENTS	STEPS
302 MENU SELECTION	<ul style="list-style-type: none">• GO TO SELECTED STATE
308 INITIALIZE WAN SUBSCRIBER DEVICE	<ul style="list-style-type: none">• SEND ID EXTRACTION CONTROL SCRIPTS• GET SUBSCRIBER DEVICE ID• UPDATE NETWORK LOCATION TABLE• SYNCHRONIZE SUBSCRIBER CONTACT DIRECTORY• PROVIDE INITIAL DISPLAY CONTENT (MAIN MENU)• PROVIDE DISPLAY LAYOUT CONTROL• GO TO SUBSCRIBER DEVICE MAIN MENU STATE
310 HELP REQUEST	<ul style="list-style-type: none">• SET UP AUDIO SESSION CHANNEL• TO AUDIO HELP CSS• GO TO AUDIO HELP STATE

FIG. 8B

10B

18/12
Annotated to show changes

316

SUBSCRIBER DEVICE MAIN MENU STATE - WAITING FOR EVENTS	
EVENTS	STEPS
312 MENU SELECTION	• GO TO SELECTED STATE
320 HELP REQUEST	• PROVIDE HELP MENU DISPLAY-CONTENT • PROVIDE HELP MENU DISPLAY LAYOUT CONTROL • GO TO GRAPHIC HELP STATE
322 MESSAGE REQUEST	• GET MESSAGES FROM REMOTE SYSTEM • SORT MESSAGES BY TYPE • PROVIDE MESSAGE LIST CONTENT • PROVIDE MESSAGE LIST LAYOUT CONTROL • GO TO MESSAGE LIST STATE
324 AUDIO MESSAGE REQUEST	
314 DIRECTORY REQUEST	• PROVIDE DIRECTORY CONTENT AND LAYOUT CONTROL • TRANSITION TO SUBSCRIBER DIRECTORY STATE
326 SUBSCRIBER DEVICE REMOVE	• GO TO MAIN MENU STATE

FIG. 8C
100

328

Annotated to show changes 19/22

MESSAGE LIST STATE - WAITING FOR EVENTS	
EVENTS	STEPS
334 AUDIO MESSAGE SELECT	<ul style="list-style-type: none"> • SEND AUDIO FILE TO CSS • PROVIDE PROCESSING SCRIPT TO OUTPUT FILE • GO TO AUDIO SESSION STATE
336 MESSAGE SELECT	<ul style="list-style-type: none"> • PROVIDE MESSAGE DISPLAY CONTENT • PROVIDE MESSAGE DISPLAY LAYOUT CONTROL • GO TO MESSAGE DISPLAY STATE
338 MESSAGE PRINT	<ul style="list-style-type: none"> • FORMAT MESSAGE CONTENT FOR PRINTER • SEND MESSAGE FILE TO PRINTER • GO TO MESSAGE LIST STATE
340 HELP REQUEST	<ul style="list-style-type: none"> • PROVIDE HELP MENU DISPLAY CONTENT AND DISPLAY LAYOUT CONTROL • GO TO GRAPHIC HELP STATE
342 SUBSCRIBER DEVICE REMOVE	<ul style="list-style-type: none"> • GO TO MAIN MENU STATE

FIG. 8D 10D

370

SUBSCRIBER DIRECTORY STATE - WAITING FOR EVENTS	
EVENTS	STEPS
372 RECEIVE CONTACT SELECTION	<ul style="list-style-type: none"> • PROVIDE CONTROL SCRIPT TO SETUP AUDIO SESSION WITH CONTACT • PROVIDE AUDIO SESSION DISPLAY CONTENT AND LAYOUT CONTROL • TRANSITION TO AUDIO SESSION STATE
374 HELP REQUEST	<ul style="list-style-type: none"> • PROVIDE HELP MENU DISPLAY CONTENT AND DISPLAY LAYOUT CONTROL • GO TO GRAPHIC HELP STATE
378 SUBSCRIBER DEVICE REMOVE	<ul style="list-style-type: none"> • GO TO MAIN MENU STATE

FIG. 8E 10E

Annotated to show changes 20/22

344																			
BASE STATE - WAITING FOR EVENTS																			
	<table> <tr> <th>EVENTS</th><th>STEPS</th></tr> <tr> <td>354 TOUCH PANEL</td><td> <ul style="list-style-type: none"> • REPORT TOUCH PANEL EVENT TO CONTROLLER • RETURN TO BASE STATE </td></tr> <tr> <td>356 SUBSCRIBER INTERFACE CONTROL BUTTON</td><td> <ul style="list-style-type: none"> • REPORT BUTTON ACTIVATION TO CONTROLLER AND PVA • RETURN TO BASE STATE </td></tr> <tr> <td>358 RECEIVE DISPLAY CONTENT AND LAYOUT CONTROL MESSAGES</td><td> <ul style="list-style-type: none"> • UPDATE DISPLAY • RETURN TO BASE STATE </td></tr> <tr> <td>360 RECEIVE PROCESSING SCRIPT</td><td> <ul style="list-style-type: none"> • PROCESS SCRIPT • RETURN TO BASE STATE </td></tr> <tr> <td>362 WAN TELEPHONE SIGNAL</td><td> <ul style="list-style-type: none"> • GO TO WAN STATE </td></tr> <tr> <td>364 DETECT SUBSCRIBER DEVICE</td><td> <ul style="list-style-type: none"> • SEND INITIALIZE SUBSCRIBER MESSAGE • RETURN TO BASE STATE </td></tr> <tr> <td>350 RECEIVE MESSAGES FROM CONTROLLER DIRECTED TO SUBSCRIBER DEVICE</td><td> <ul style="list-style-type: none"> • RELAY MESSAGES TO SUBSCRIBER DEVICE </td></tr> <tr> <td>352 RECEIVE MESSAGES FROM SUBSCRIBER DEVICE DIRECTED TO CONTROLLERS</td><td> <ul style="list-style-type: none"> • RELAY MESSAGES TO CONTROLLER </td></tr> </table>	EVENTS	STEPS	354 TOUCH PANEL	<ul style="list-style-type: none"> • REPORT TOUCH PANEL EVENT TO CONTROLLER • RETURN TO BASE STATE 	356 SUBSCRIBER INTERFACE CONTROL BUTTON	<ul style="list-style-type: none"> • REPORT BUTTON ACTIVATION TO CONTROLLER AND PVA • RETURN TO BASE STATE 	358 RECEIVE DISPLAY CONTENT AND LAYOUT CONTROL MESSAGES	<ul style="list-style-type: none"> • UPDATE DISPLAY • RETURN TO BASE STATE 	360 RECEIVE PROCESSING SCRIPT	<ul style="list-style-type: none"> • PROCESS SCRIPT • RETURN TO BASE STATE 	362 WAN TELEPHONE SIGNAL	<ul style="list-style-type: none"> • GO TO WAN STATE 	364 DETECT SUBSCRIBER DEVICE	<ul style="list-style-type: none"> • SEND INITIALIZE SUBSCRIBER MESSAGE • RETURN TO BASE STATE 	350 RECEIVE MESSAGES FROM CONTROLLER DIRECTED TO SUBSCRIBER DEVICE	<ul style="list-style-type: none"> • RELAY MESSAGES TO SUBSCRIBER DEVICE 	352 RECEIVE MESSAGES FROM SUBSCRIBER DEVICE DIRECTED TO CONTROLLERS	<ul style="list-style-type: none"> • RELAY MESSAGES TO CONTROLLER
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368 RECEIVE LOGIN SCRIPT	<ul style="list-style-type: none"> • PROCESS LOGON SCRIPT • PROVIDE INTERFACE CONFIGURATION • GO TO BASE STATE 																		

FIG. 9 | 1

Annotated to Show Changes 2/1/22

380

STANDBY STATE - WAITING FOR EVENTS	
EVENTS	STEPS
388 AUDIO SESSION SIGNAL FROM PACKET VOICE GATEWAY	<ul style="list-style-type: none">• TRANSITION TO CALL SIGNALING STATE• REPORT STATE TRANSITION TO CSS APPLICATION
390 SUBSCRIBER INTERFACE CONTROL (OFF HOOK)	<ul style="list-style-type: none">• TRANSITION TO OFF HOOK STATE• REPORT STATE TRANSITION TO CSS APPLICATION
392 SESSION SETUP EVENT FROM CSS APPLICATION	<ul style="list-style-type: none">• SEND CALL SIGNALING MESSAGE TO GATEWAY• TRANSITION TO CALL SIGNALING STATE• REPORT TRANSITION TO CSS

382

CALL SIGNALING STATE - WAITING FOR EVENTS	
EVENTS	STEPS
394 ON HOOK EVENT	<ul style="list-style-type: none">• RETURN TO STANDBY STATE• REPORT STATE TRANSITION TO CSS APPLICATION
396 TERMINATION OF SIGNALING	<ul style="list-style-type: none">• RETURN TO STANDBY STATE• REPORT STATE TRANSITION TO CSS APPLICATION
398 READY FOR AUDIO SESSION	<ul style="list-style-type: none">• TRANSITION TO AUDIO SESSION STATE• REPORT STATE TRANSITION TO CSS APPLICATION

FIG. 10A 12A

Annotated to show changes 22/22

384

OFF HOOK STATE - WAITING FOR EVENTS	
EVENTS	STEPS
400 SUBSCRIBER INTERFACE CONTROL (KEY PAD ACTIVATION) FROM CSS APPLICATION	• GENERATE DTMF TONE
402 VALIDATION OF NUMBER SEQUENCE	• SEND CALL SIGNALING MESSAGES TO GATEWAY • TRANSITION TO CALL SIGNALING STATE • REPORT TRANSITION TO CSS APPLICATION
404 SUBSCRIBER INTERFACE CONTROL (ON HOOK)	• RETURN TO STANDBY STATE

386

AUDIO SESSION STATE - WAITING FOR EVENTS	
EVENTS	STEPS
406 TERMINATION OF AUDIO SESSION	• RETURN TO OFF HOOK STATE
408 SUBSCRIBER INTERFACE CONTROL (KEY PAD ACTIVATION)	• GENERATE DTMF TONE
410 SUBSCRIBER INTERFACE CONTROL (ON HOOK) FROM CSS APPLICATION	• RETURN TO STANDBY STATE

FIG. 10B 12B